



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

December 4, 2023

Dr. Cem Hatipoglu
Acting Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attn: Recall Management Division (NVS-215)
Room W48-302
1200 New Jersey Avenue, SE
Washington, D.C. 20590

Dear Dr. Hatipoglu:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices.

Very truly,

A handwritten signature in black ink, appearing to read "Will Swindell".

Will Swindell
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant

2. Vehicles Potentially Involved:

Certain Model Year 2022 - 2024 INFINITI QX60 vehicles equipped with Adaptive Front Light System (AFS) and manufactured from August 12, 2021 to September 20, 2023 at the Smyrna, TN plant.

Based on Nissan production records, the issue (as described in Section 5 below) occurred on certain Model Year 2022 - 2024 INFINITI QX60 vehicles equipped with an Intelligent Power Distribution Module (IPDM) that had a specific configuration setting for the Adaptive Front-Light System (AFS) during the specified production period. No other Nissan or INFINITI vehicles are affected.

The name, description and part number of the subject components are below:

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number</u>
CONT UNIT - IPDM, ENG ROOM	IPDM w/ OBD	284B7 6TA2D

3. Total Number of Vehicles Potentially Involved:

Approximately 20,051 affected MY 2022 - 2024 INFINITI QX60 vehicles total.

<u>Model</u>	<u>Volume of Production</u>
MY 2022 INFINITI QX60	5,296
MY 2023 INFINITI QX60	12,426
MY 2024 INFINITI QX60	2,329

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

100%.

5. Description of the Defect:

On affected QX60 vehicles, the Adaptive Front-Light System (AFS) function was inadvertently configured using an incorrect tilt value. As a result, when vehicle speed is over 81 mph (130 km/h), if the headlights are in "AUTO" mode, the AFS configuration on affected vehicles will adjust the headlamps to their greatest downward angle once the target speed is hit and

maintained until the speed is lowered below 81 mph (130 km/h). In this condition, the customer may experience reduced visibility potentially increasing the risk of a collision.

6. Chronology of Principal Events:

December 28, 2022 - Nissan received a customer complaint on a MY2022 INFINITI QX60 alleging the headlamp aim adjusted downward automatically while driving at high speeds. Nissan initiated an investigation.

June 2023 through July 2023 - During the investigation, Nissan discovered the vehicle tilt offset of the Adaptive Front-Light System (AFS) feature was inadvertently mis-configured within the Intelligent Power Distribution Module (IPDM). While the headlamps are in AUTO mode, if the vehicle exceeds 81 mph (130 km/h), the IPDM switches the headlamp leveling system to highway mode but due to the incorrect configuration of the vehicle tilt, the headlamps are adjusted to the greatest downward angle. Changing the headlamp switch from "AUTO" to "ON" or reducing the vehicle speed to below 81 mph (130 km/h) returns the headlamp aim.

August 2023 through September 2023 - Nissan investigated the potential effect of the condition during in-vehicle testing during low ambient light conditions and in rural areas.

October 2023 through November 2023 - The in-vehicle testing found that reduced visibility may occur at highway speeds above 81 mph under certain low ambient light driving conditions.

November 27, 2023 - Nissan decided to conduct a Voluntary Safety Recall of all potentially affected vehicles.

Nissan is aware of fourteen (14) warranty claims from January 10, 2022 to October 26, 2023 related to the subject condition. No accidents or injuries have been reported.

7. Description of Corrective Action:

Retailers will be notified of the recall beginning December 12, 2023. Beginning on January 12, 2024, owners of all potentially affected vehicles will be notified to bring their QX60 to an INFINITI retailer for repair. Retailers will be instructed to reconfigure the IPDM settings to the correct AFS parameters. All repairs will be performed free of charge for parts and labor and may take up to a half (0.5) hour to complete.

Nissan will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy since the subject vehicles are under warranty.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.